

FIGURE 1

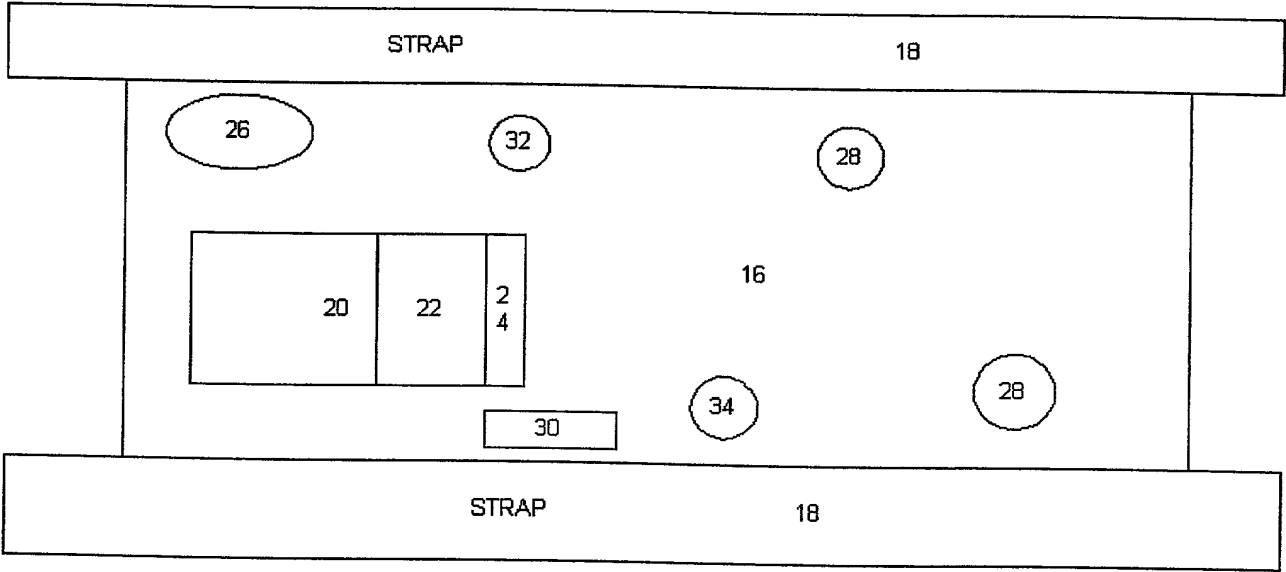


FIGURE 2

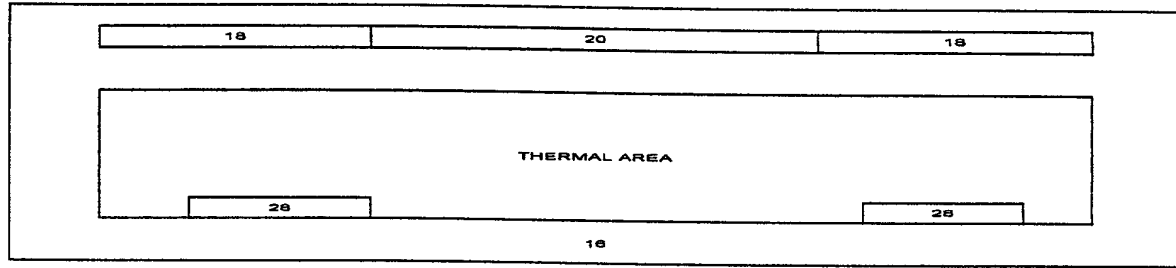


FIGURE 3

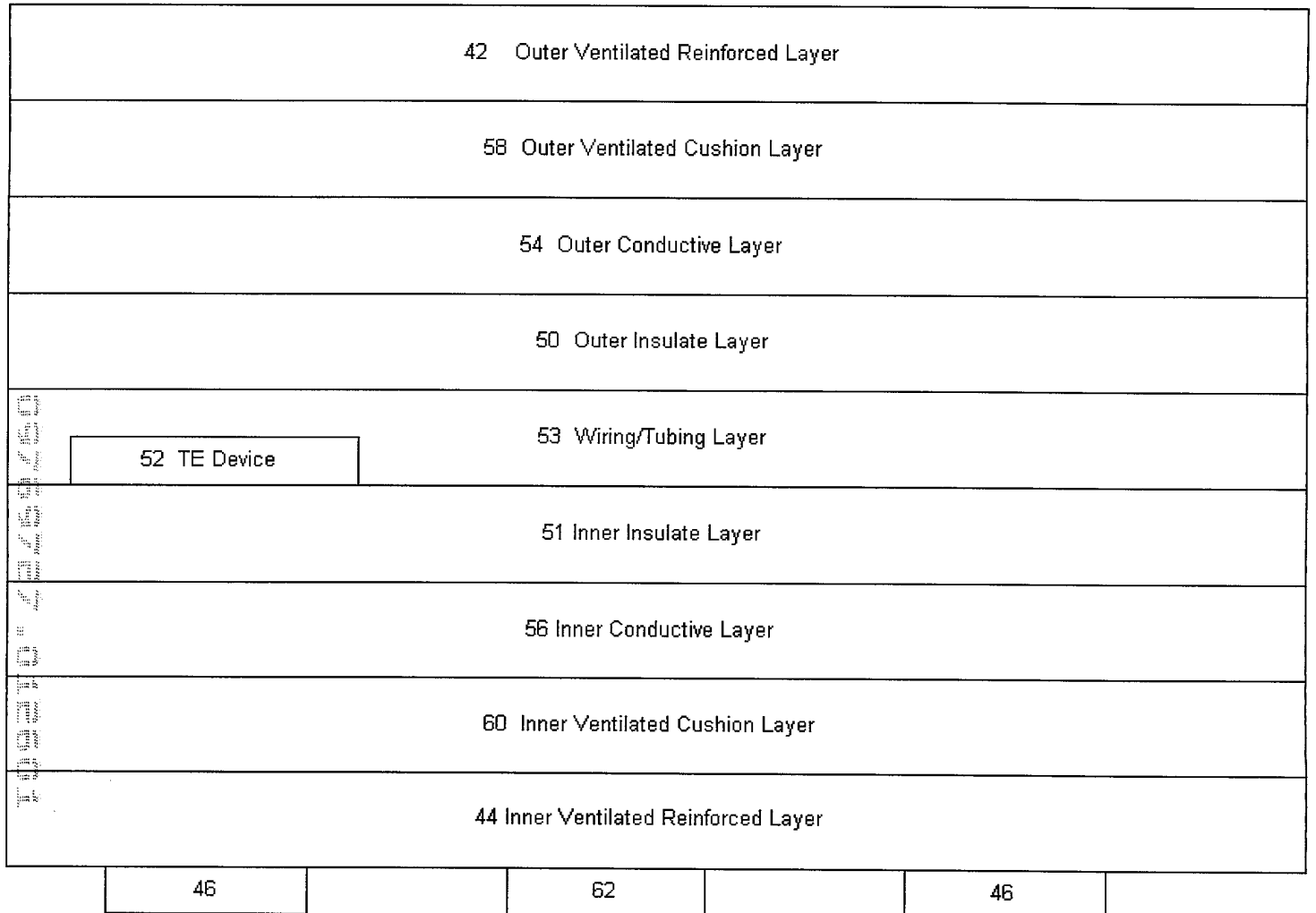


FIGURE 4A

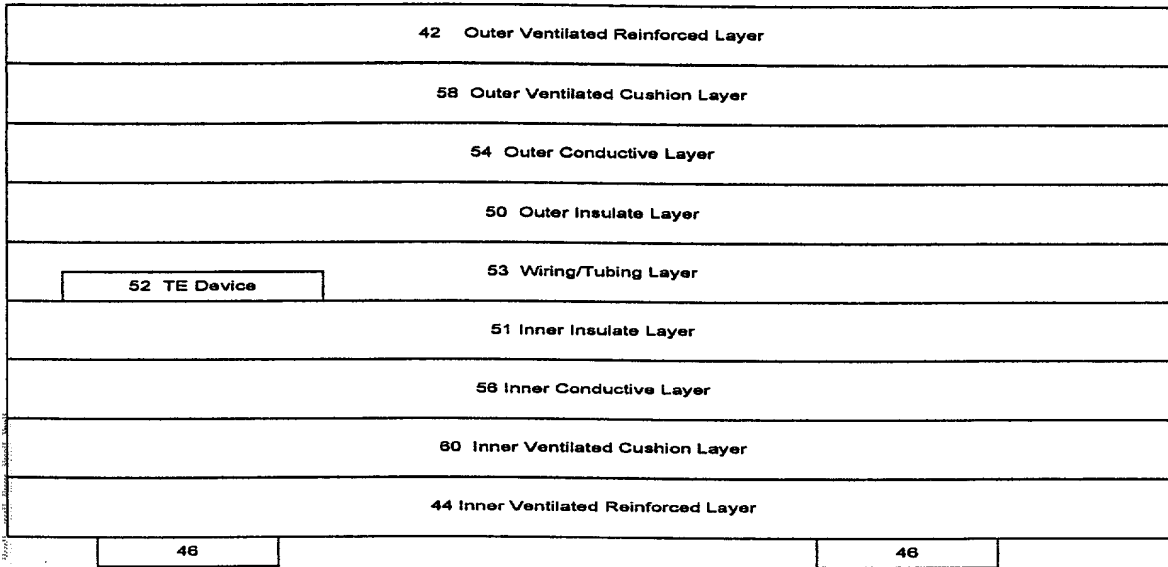


FIGURE 4B

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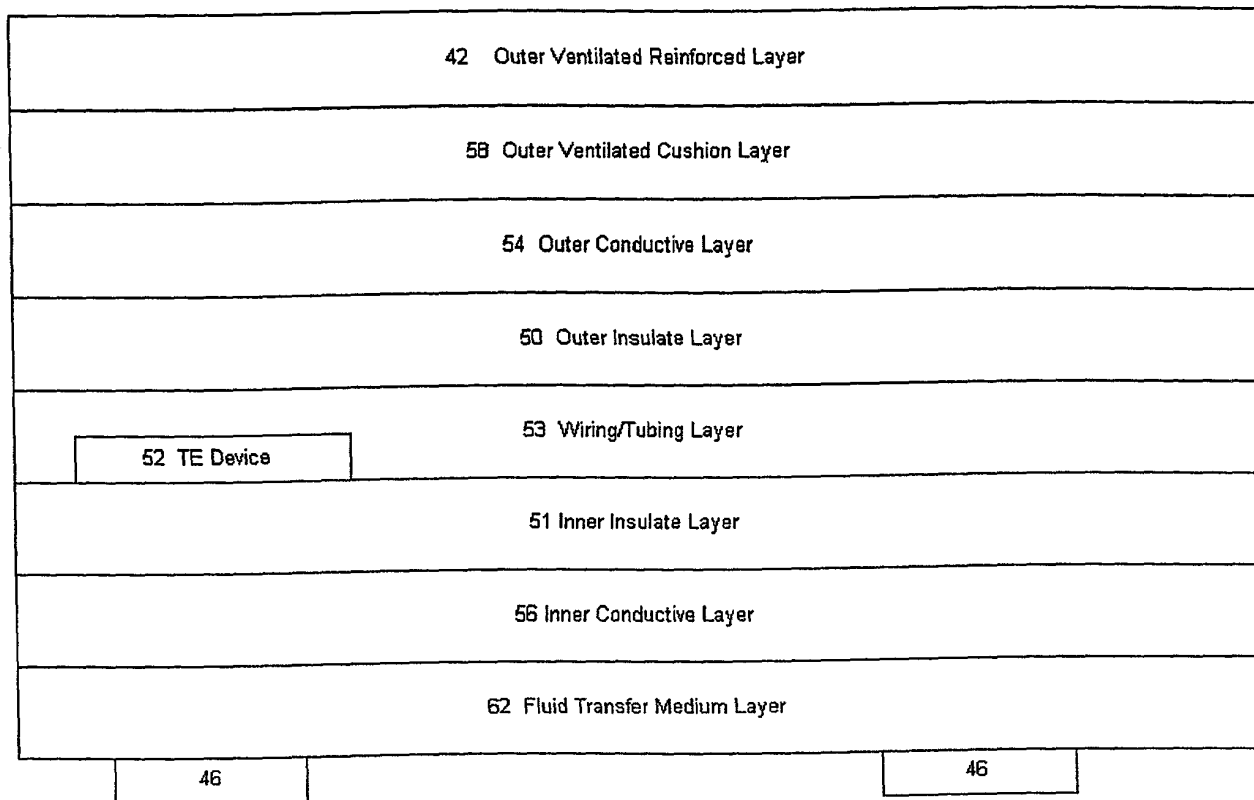


FIGURE 4C

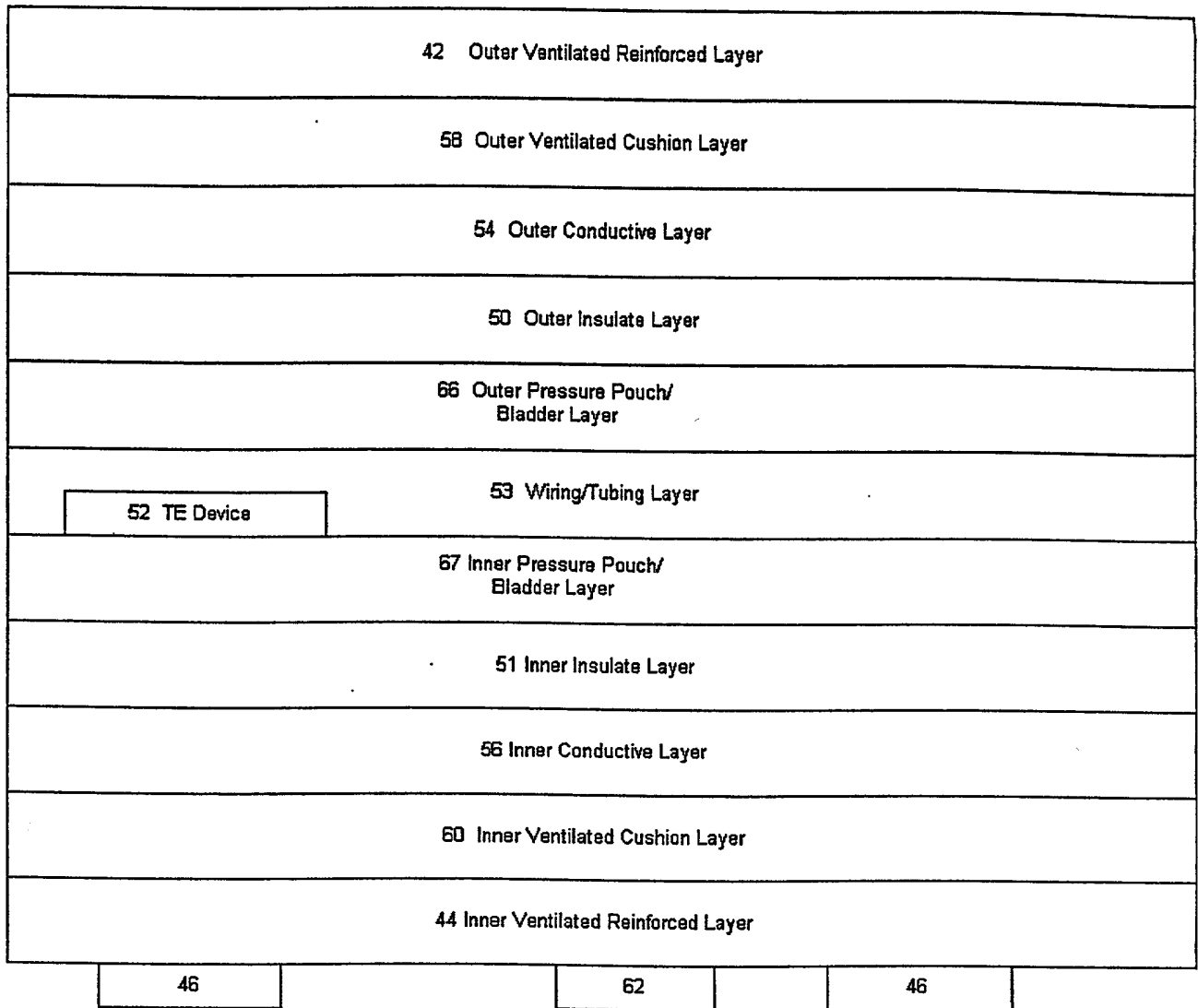


FIGURE 4D

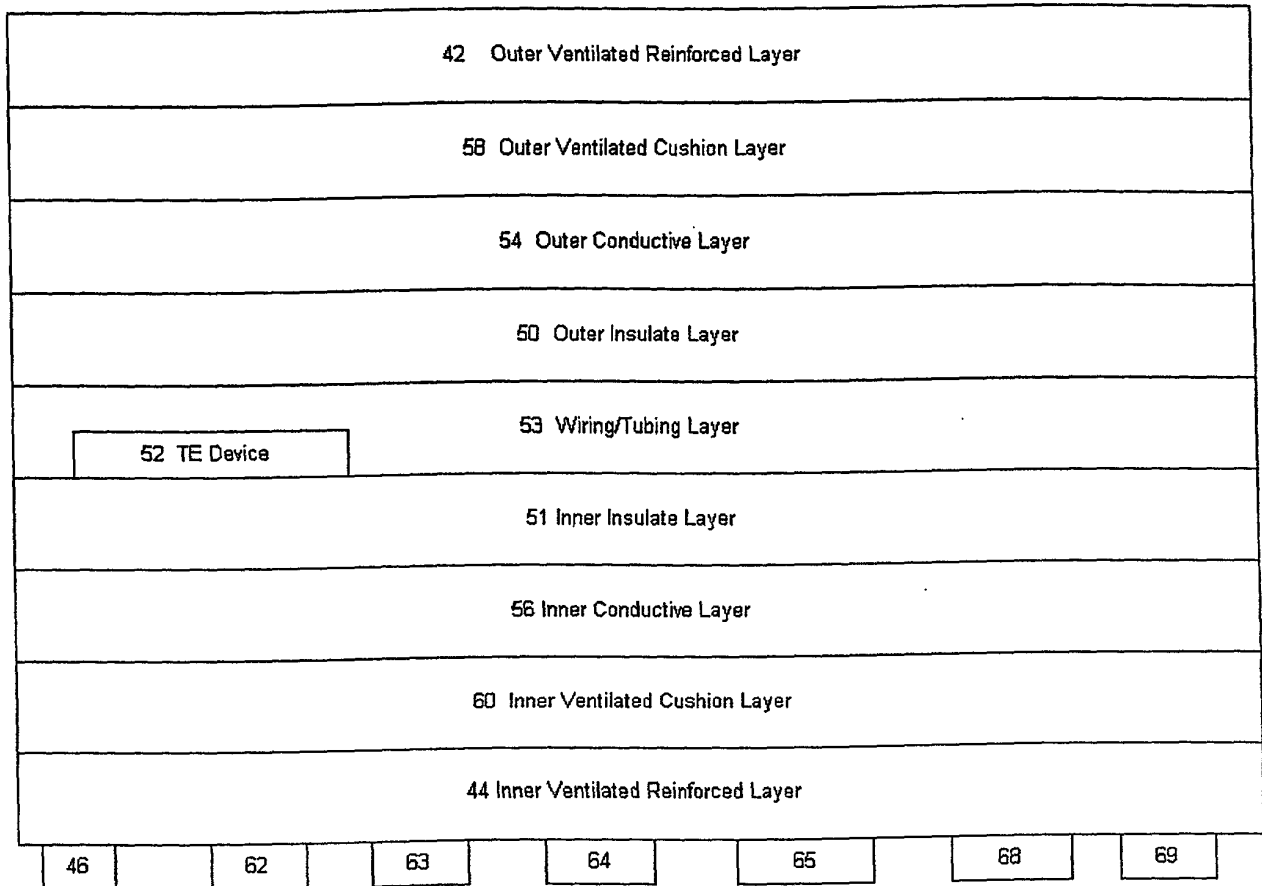


FIGURE 4E

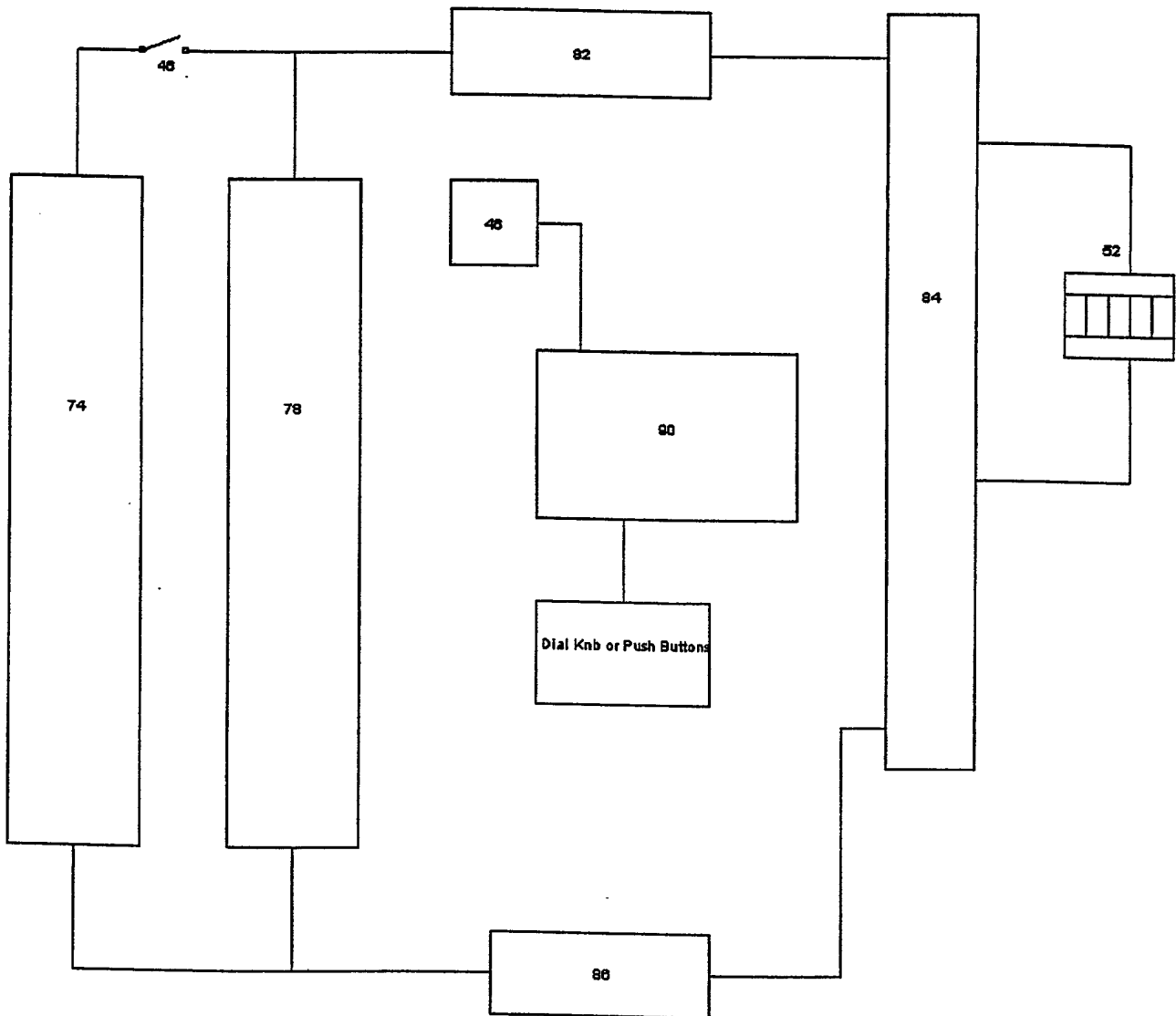


FIGURE 5

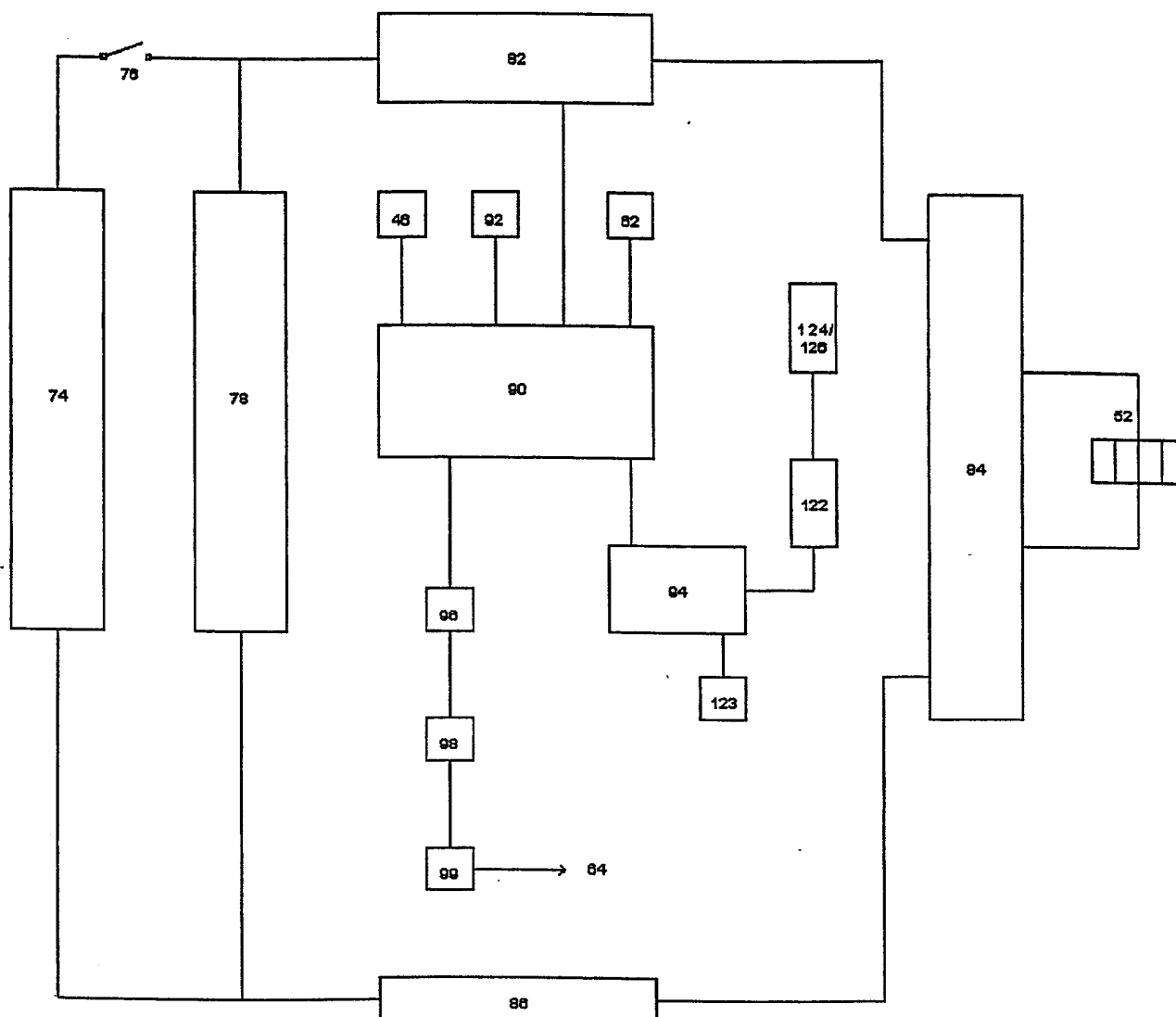


FIGURE 6

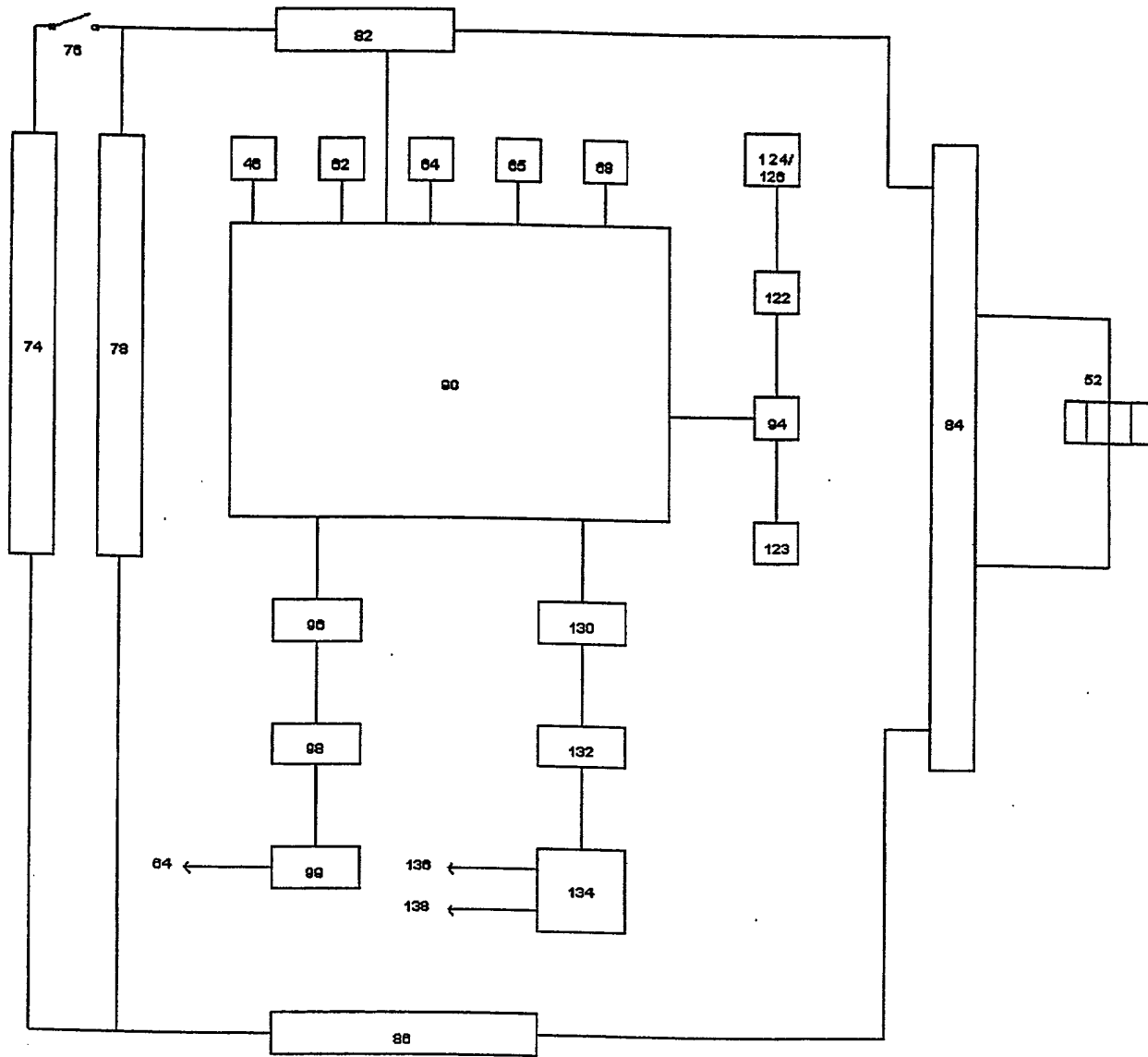


FIGURE 7

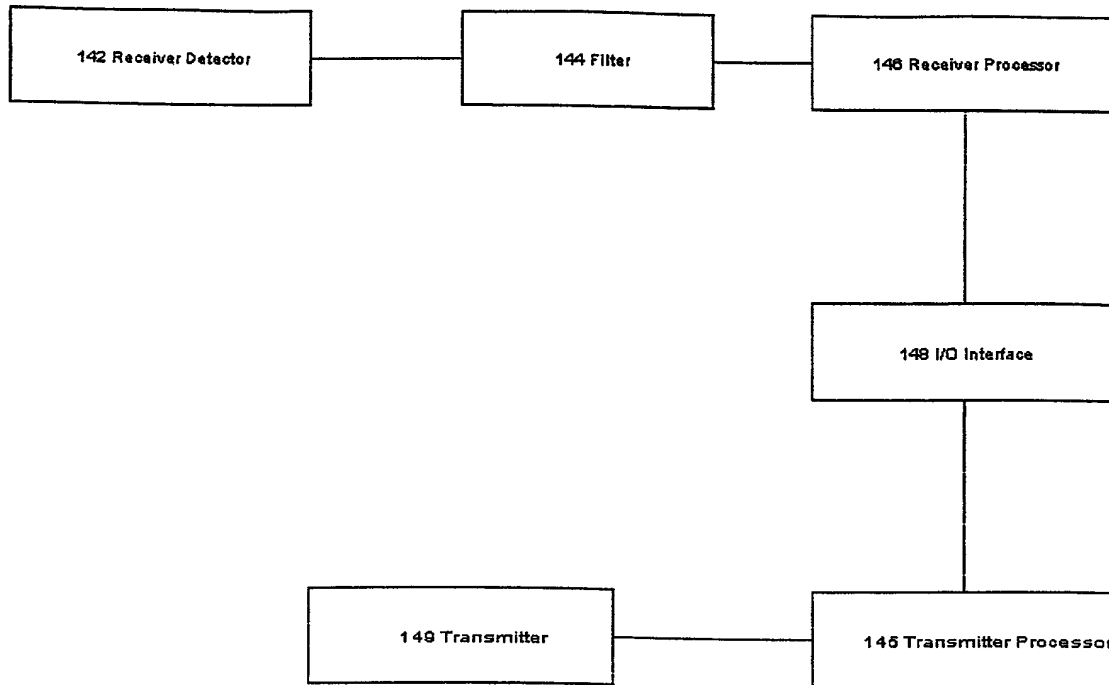


FIGURE 8

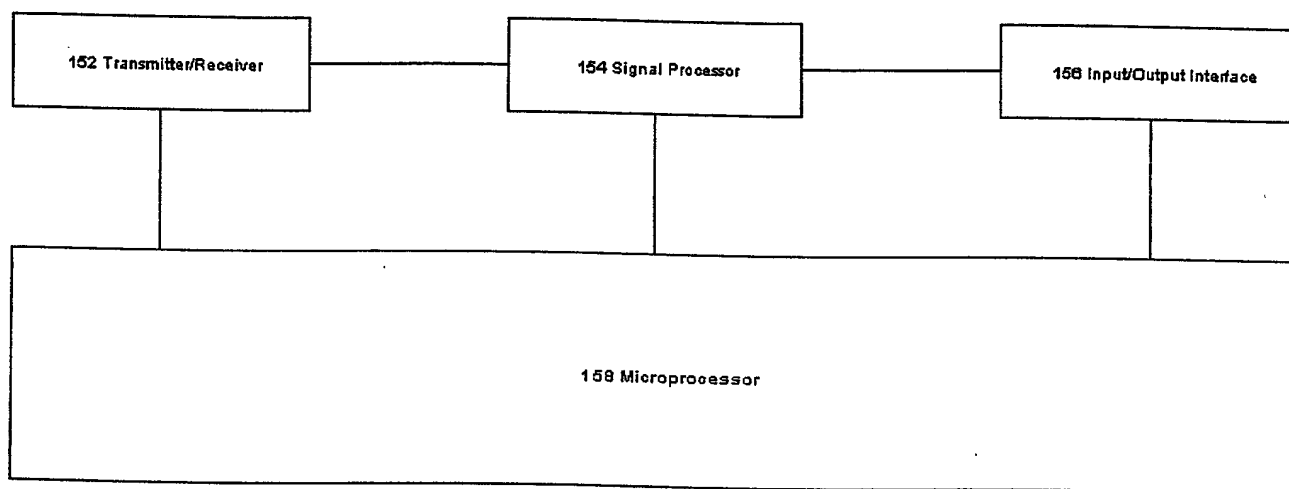


FIGURE 9

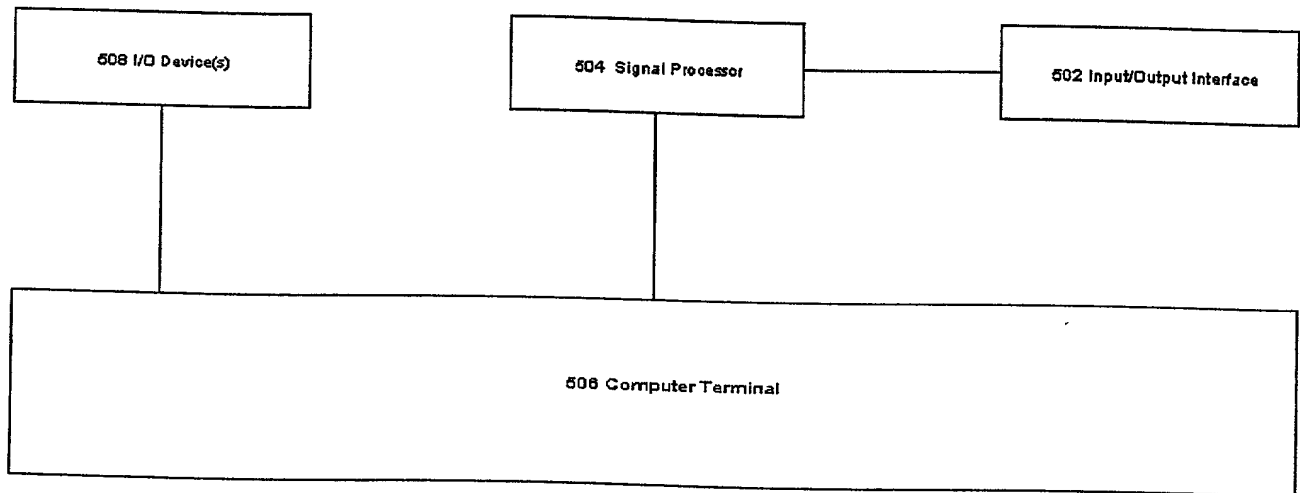


FIGURE 10

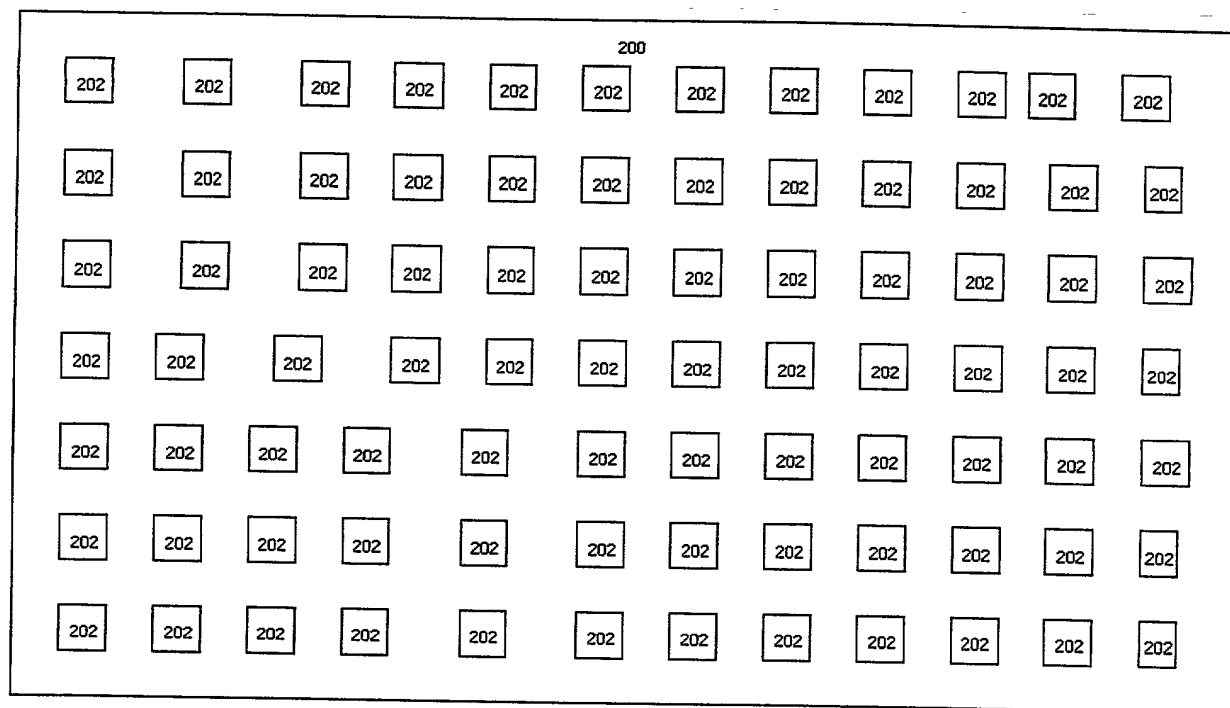


FIGURE 11

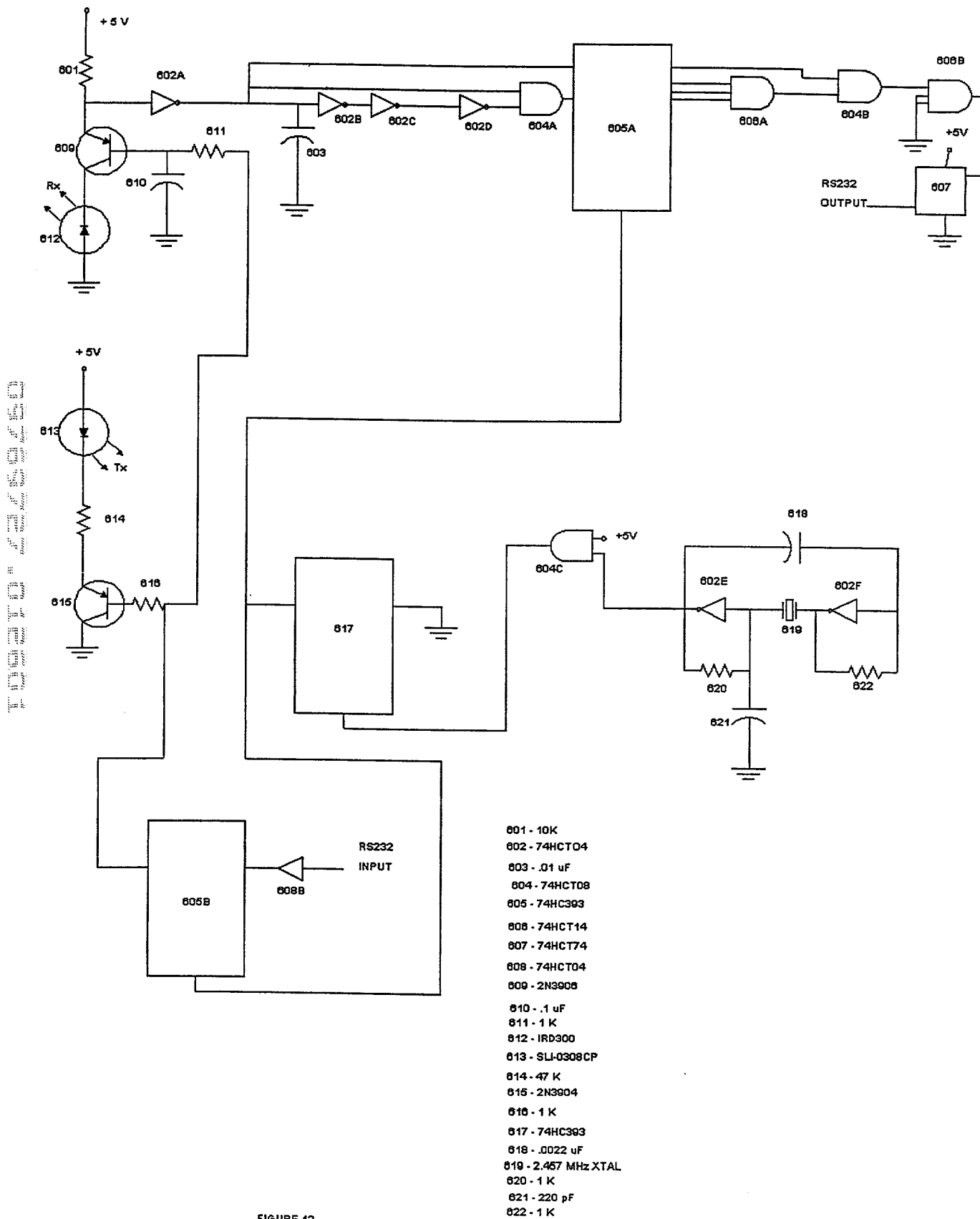


FIGURE 12

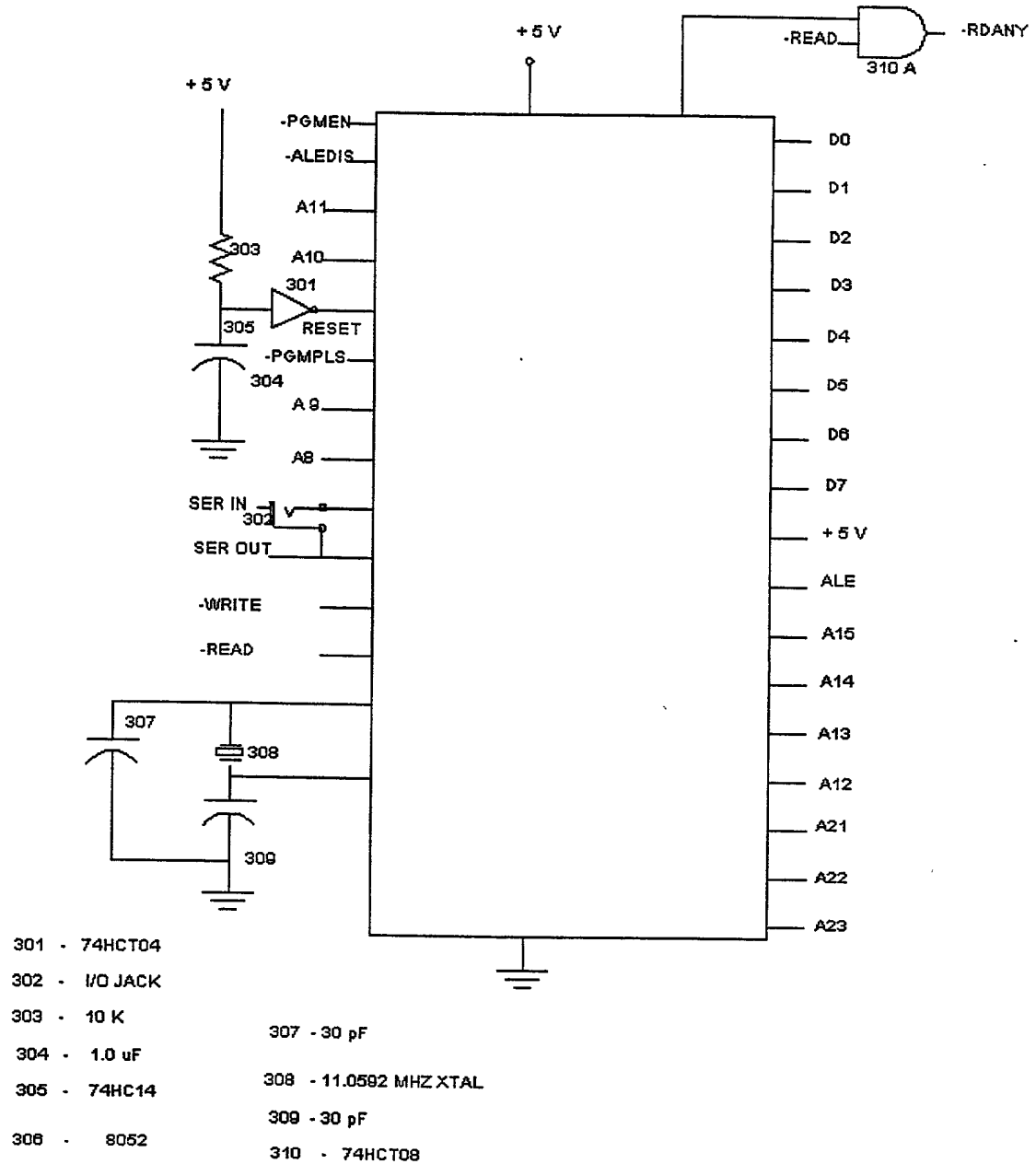
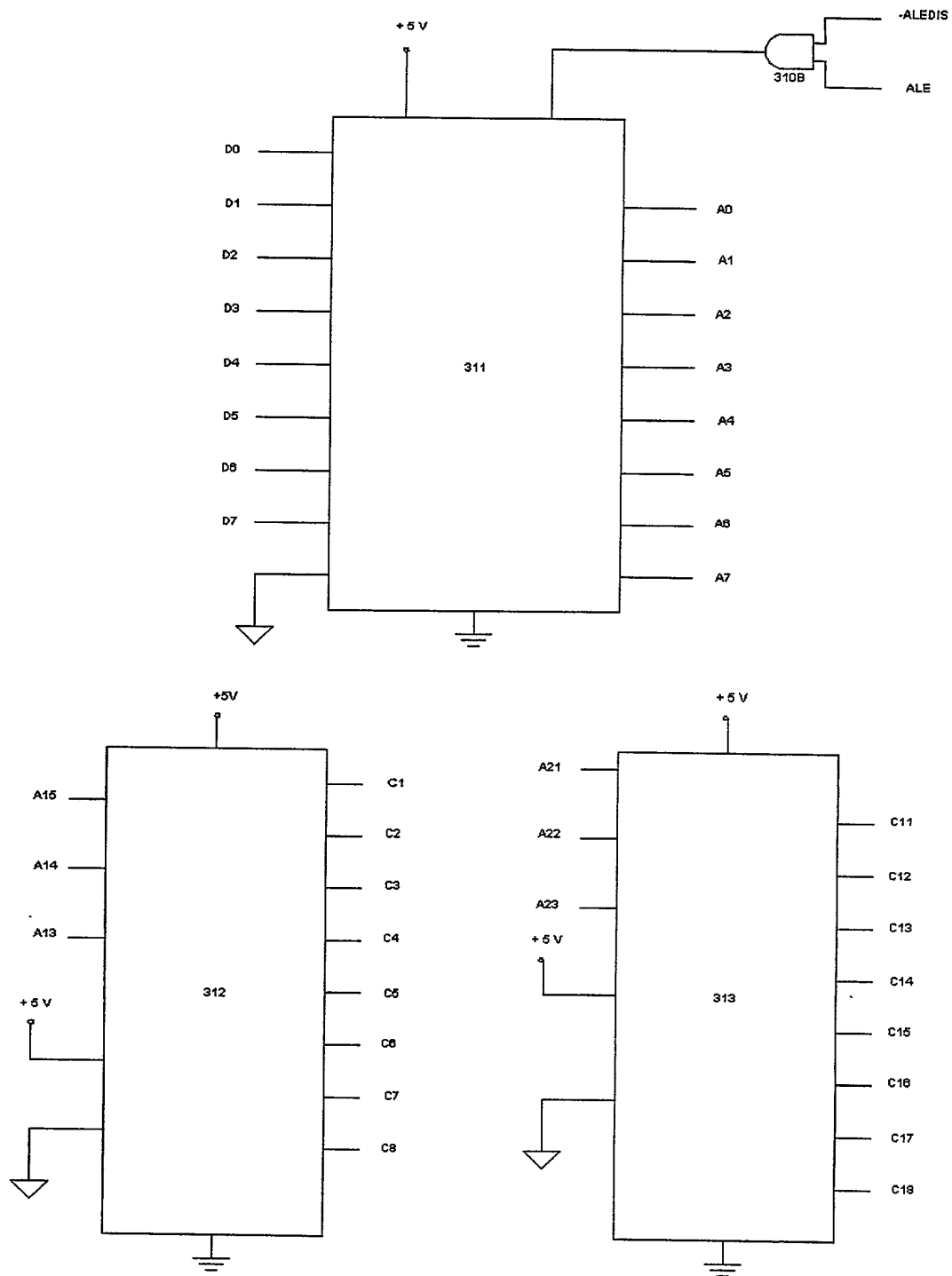


FIGURE 13

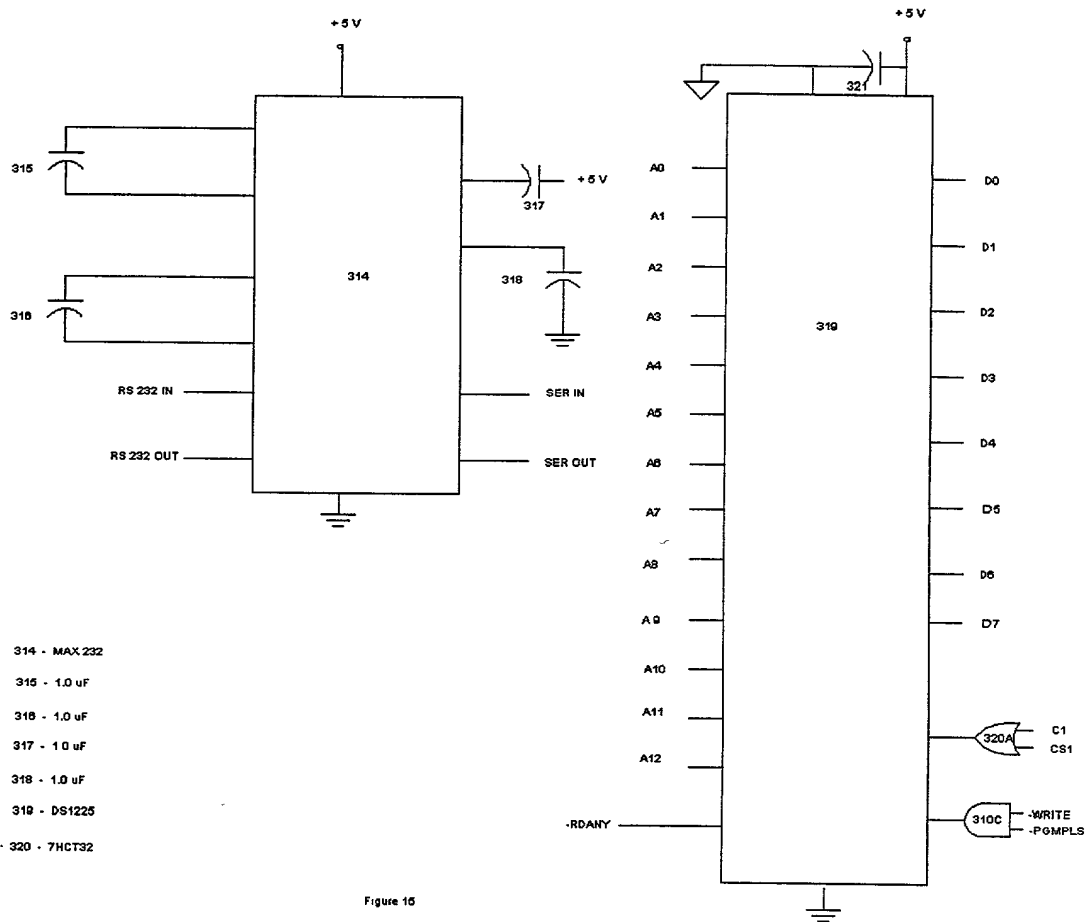


311 - 74HCT373

312 - 74HCT138

313 - 74HCT138

FIGURE 14

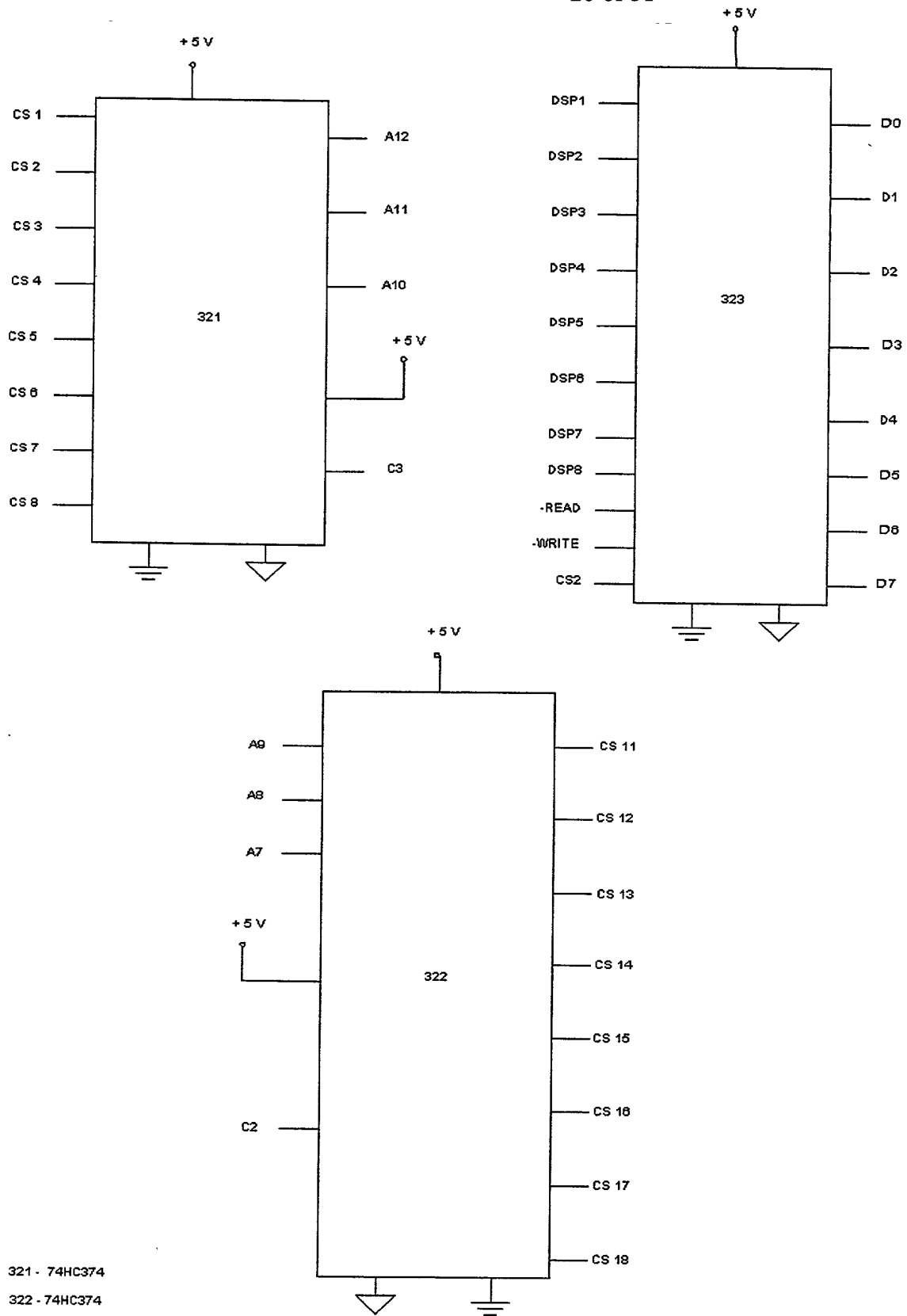


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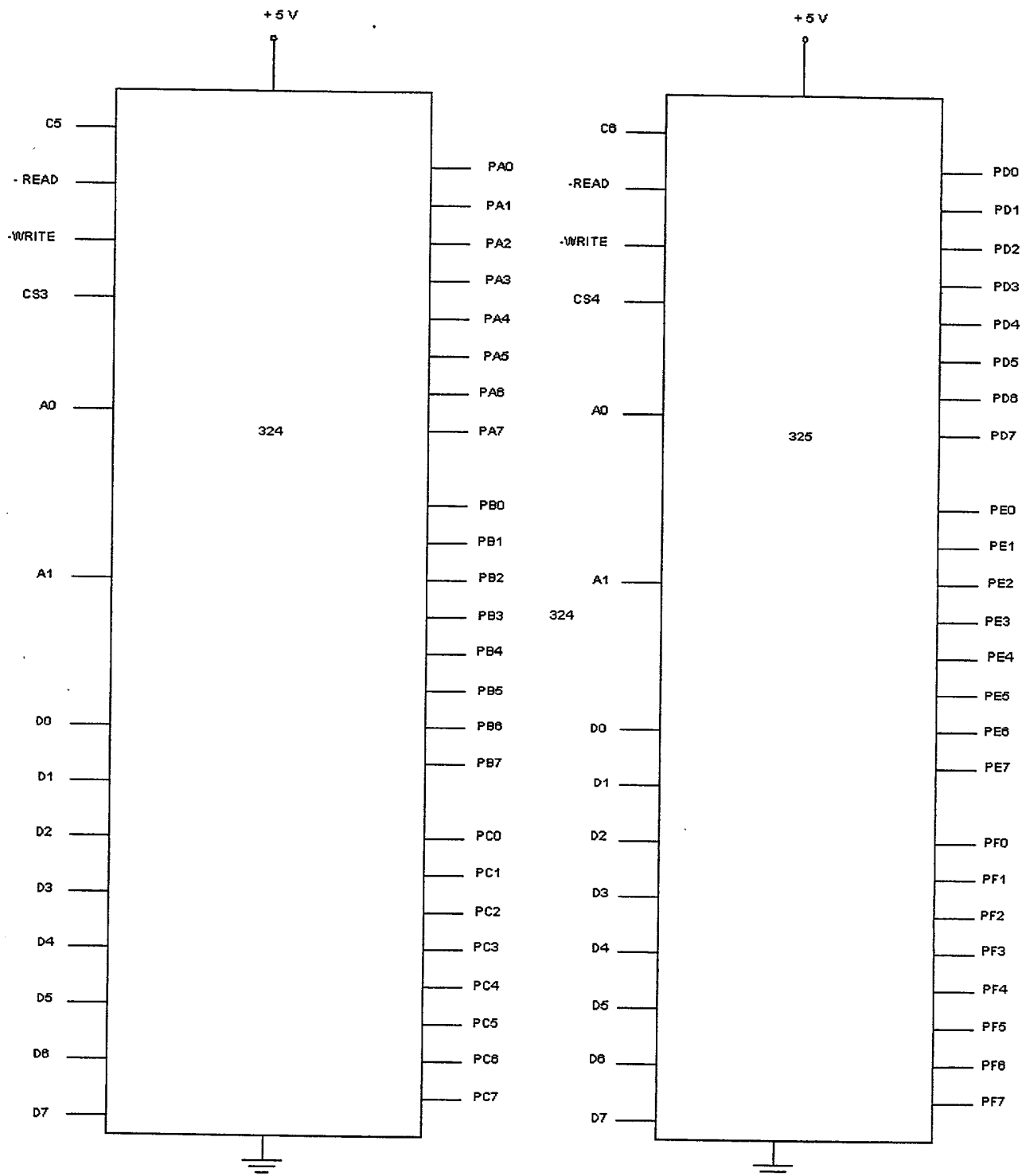


321 - 74HC374

322 - 74HC374

323 - ADC0848

FIGURE 16



324 - 82C55

325 - 82C55

Figure 17

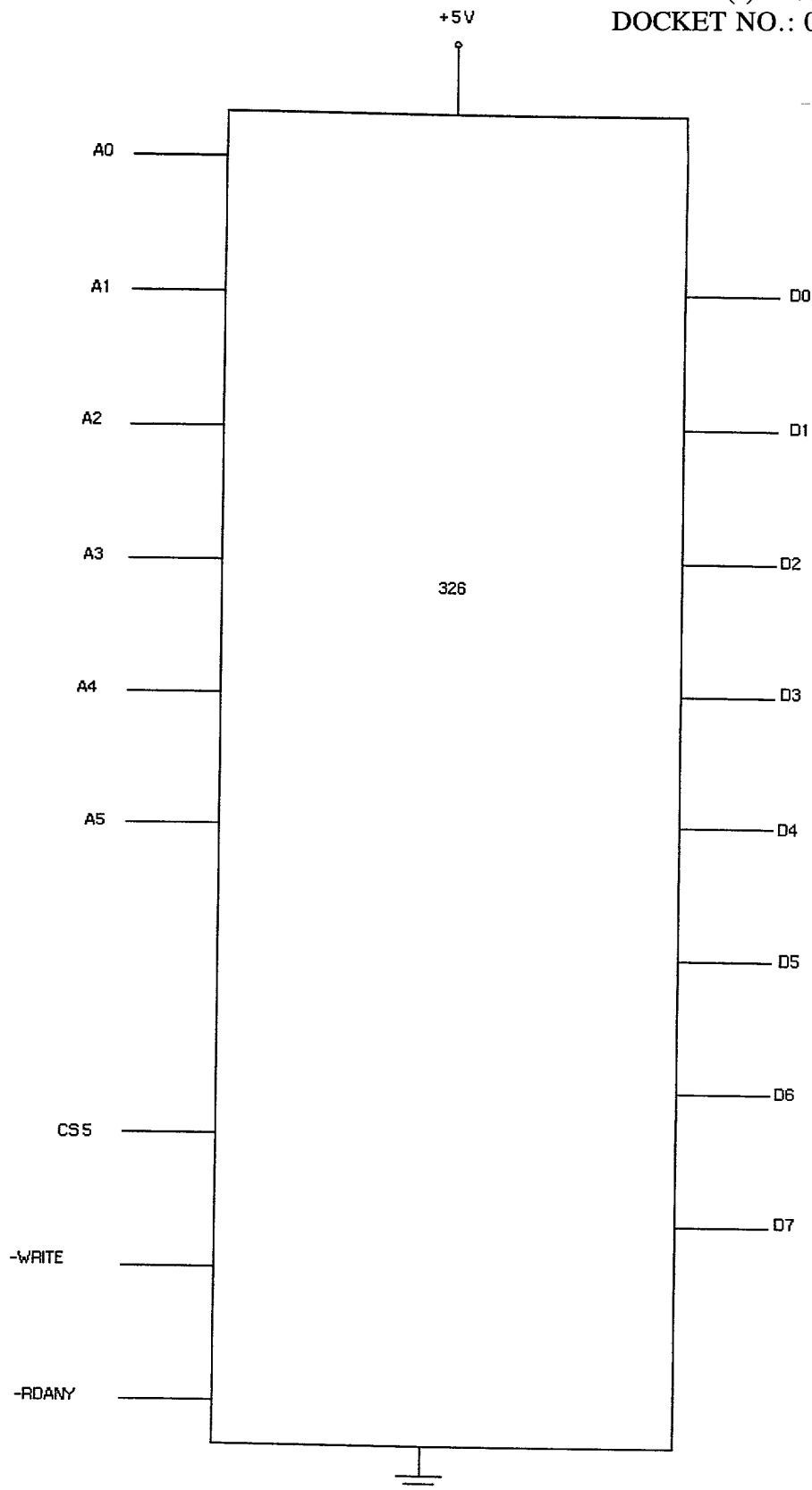


Figure 18

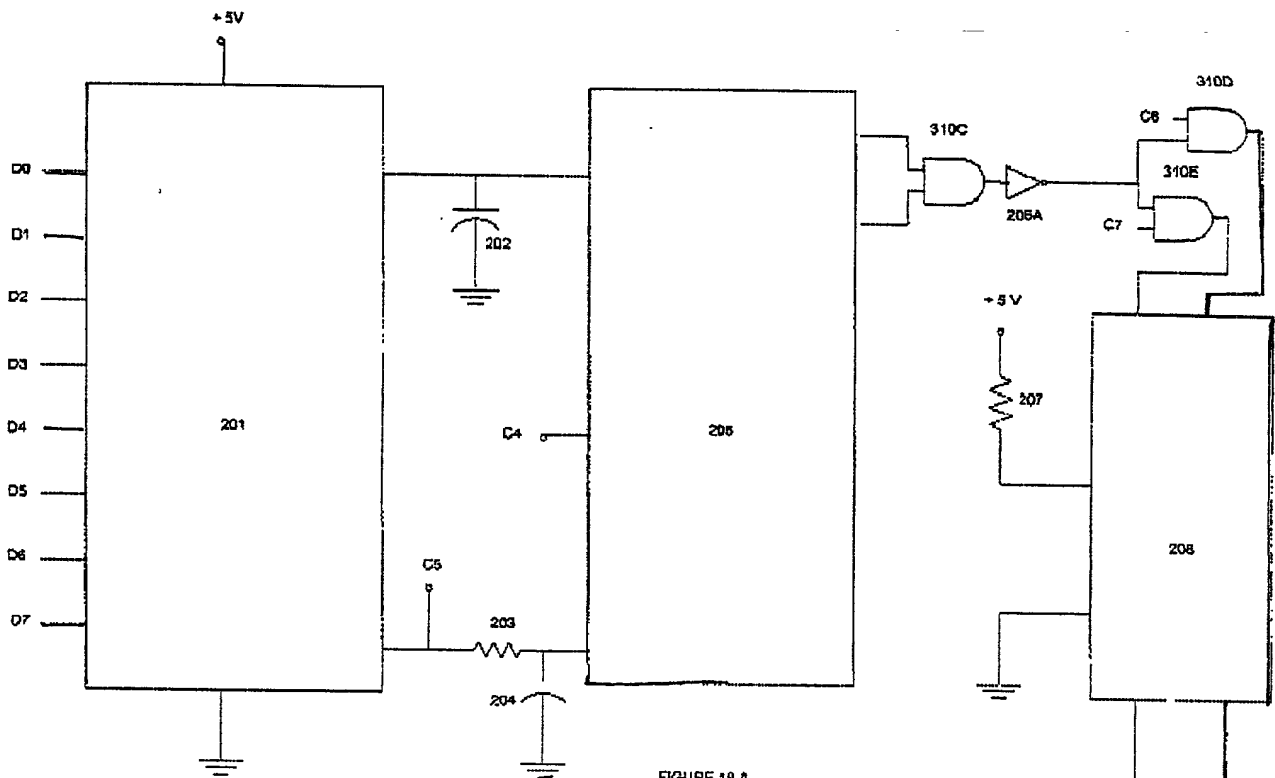


FIGURE 19 A

201 - 74HC166

202 - 390 uF

203 - 220

204 - 390 pF

205 - D31630

206 - 74HC104

207 - 330

208 - L293D

209 - MH1015T

210 - 6 V DC

211 - FUSE

212 - 2N2573

213 - 0.1 uF

214 - 10

215 - 220

216 - 1N9232

217 - 100uF

218 - 0.1 uF

219 - MAX735

220 - 100uH

221 - 1N8817

222 - 0.01 uF

223 - 0.01 uF

224 - 470 uF

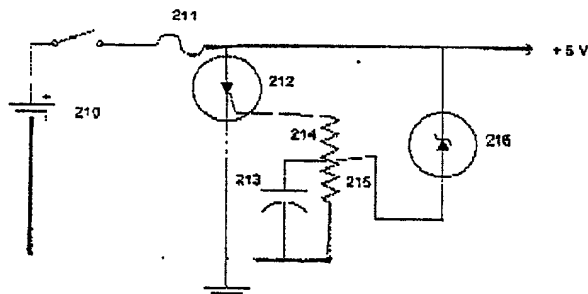


FIGURE 19 B

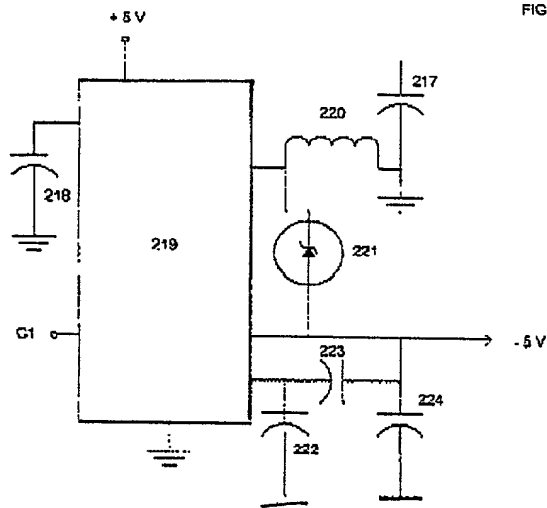


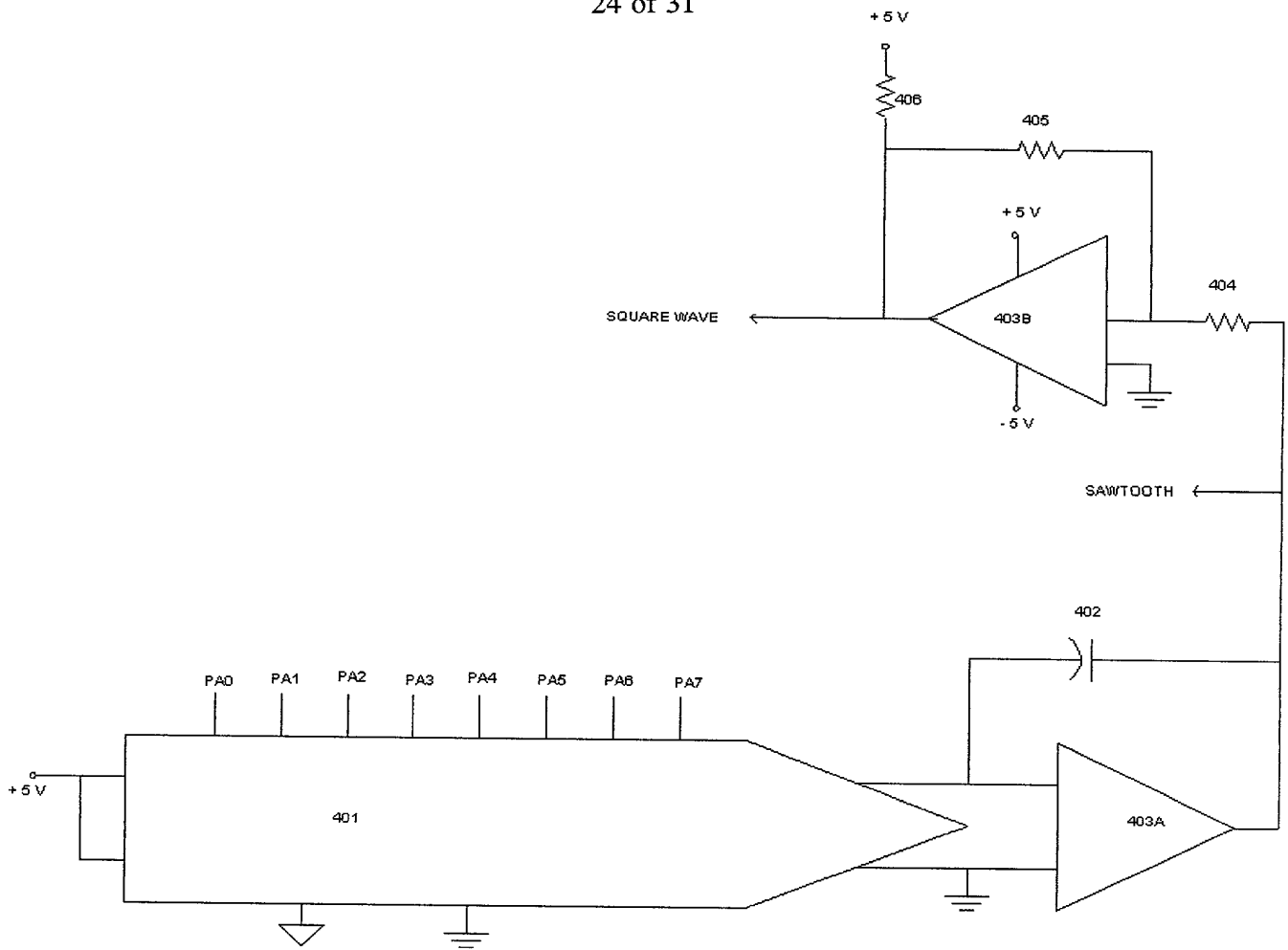
Figure 19 C

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401 - DAC0832

402 - 1.0 uF

403 - LM392

404 - 100K

405 - 300K

406 - 2K

Figure 20

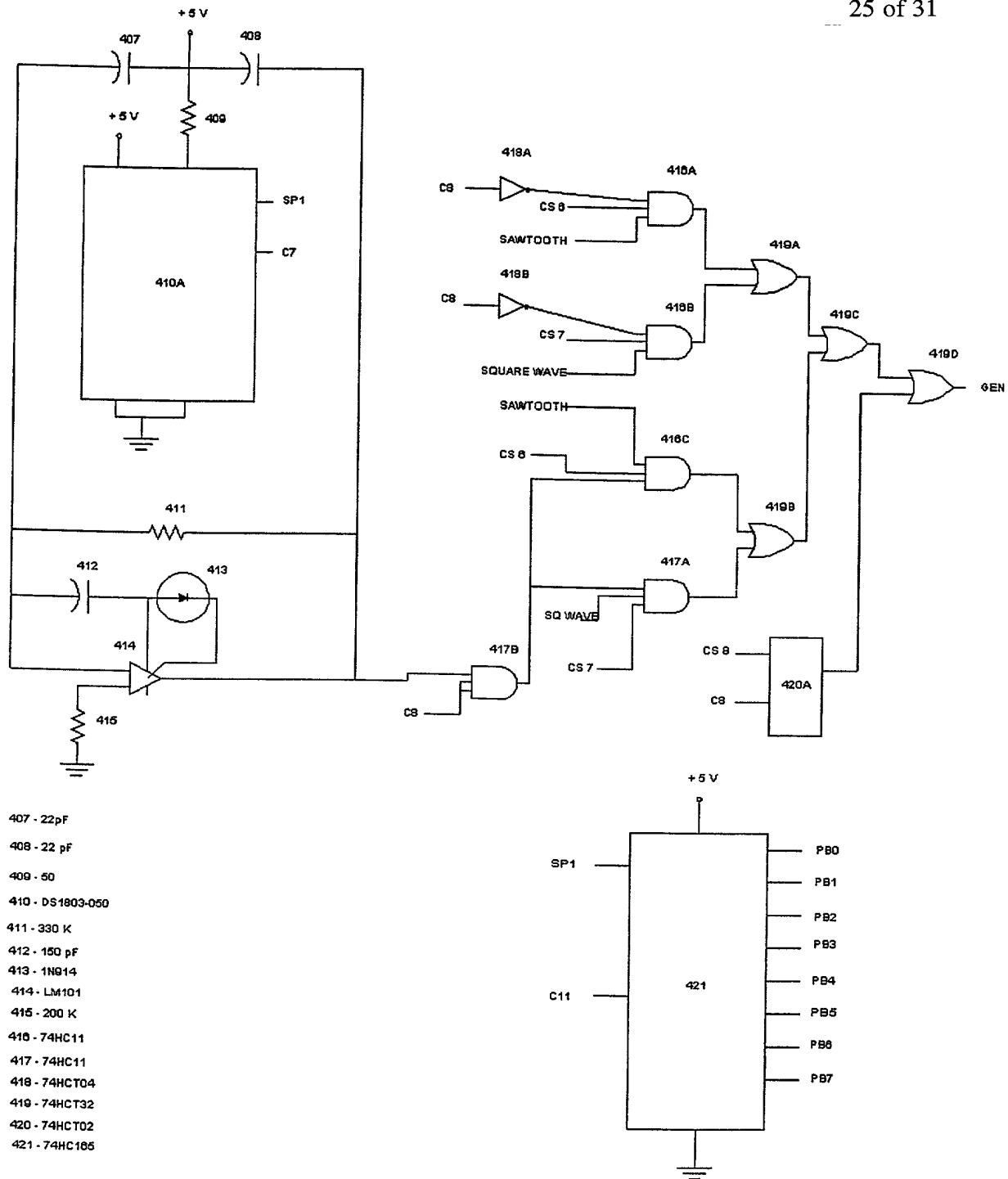


FIGURE 21

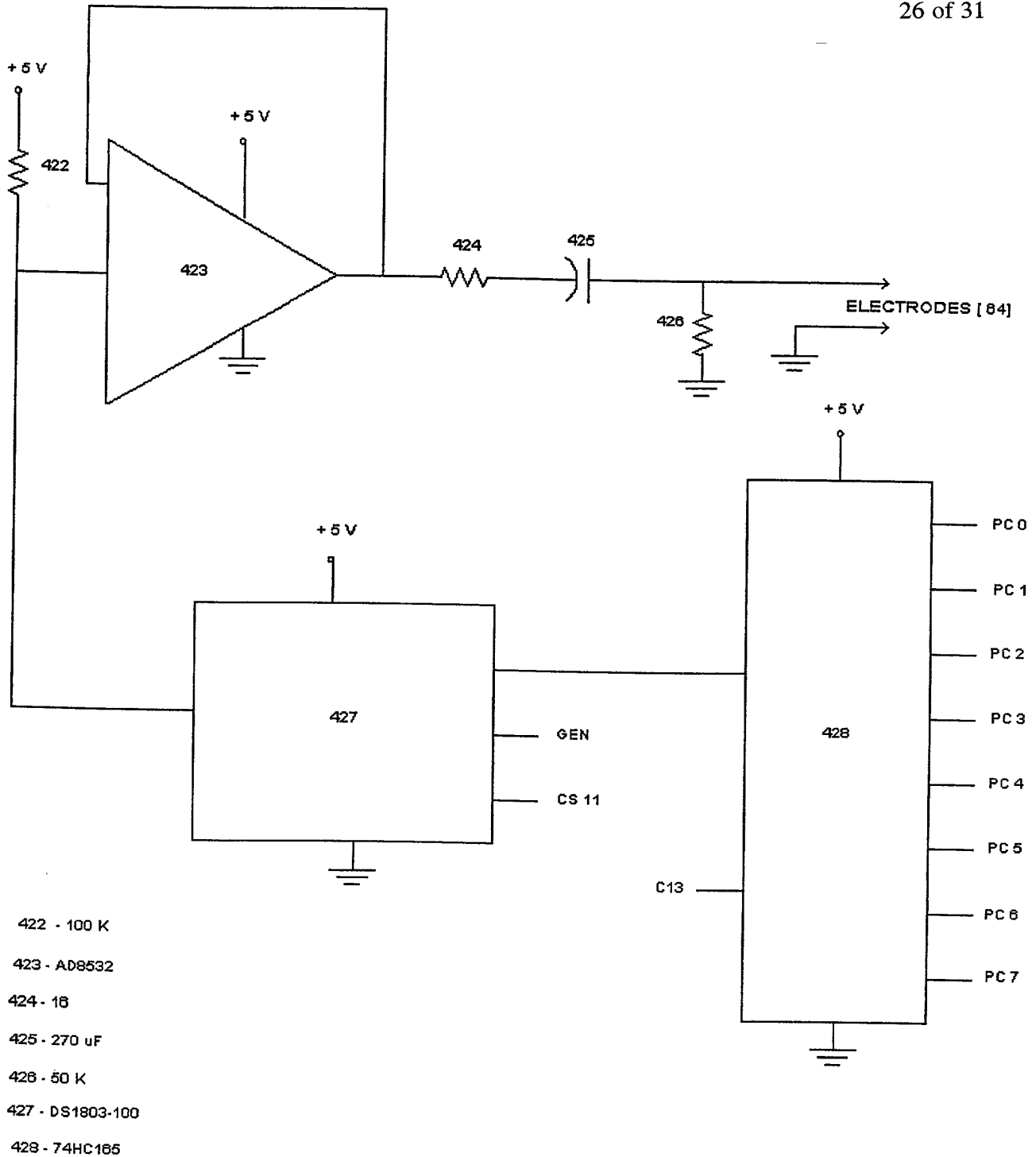
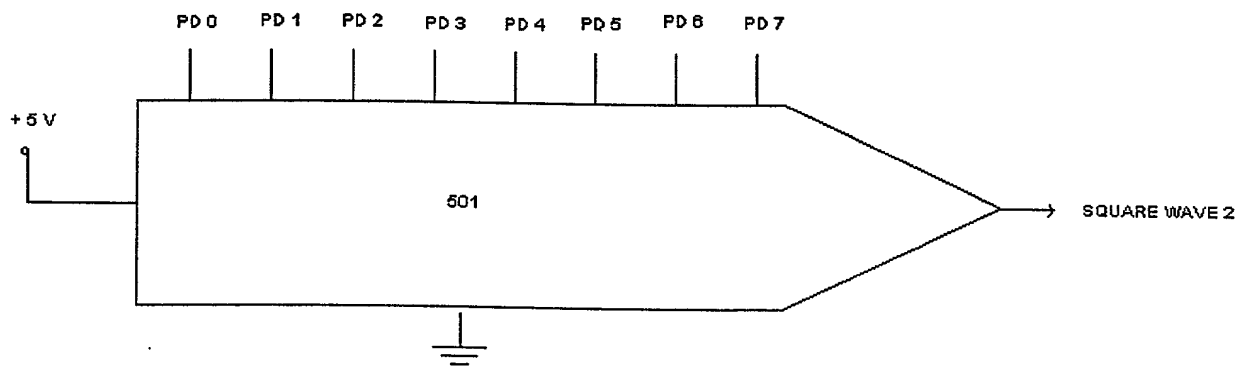


FIGURE 22



501 - DAC0832

FIGURE 23

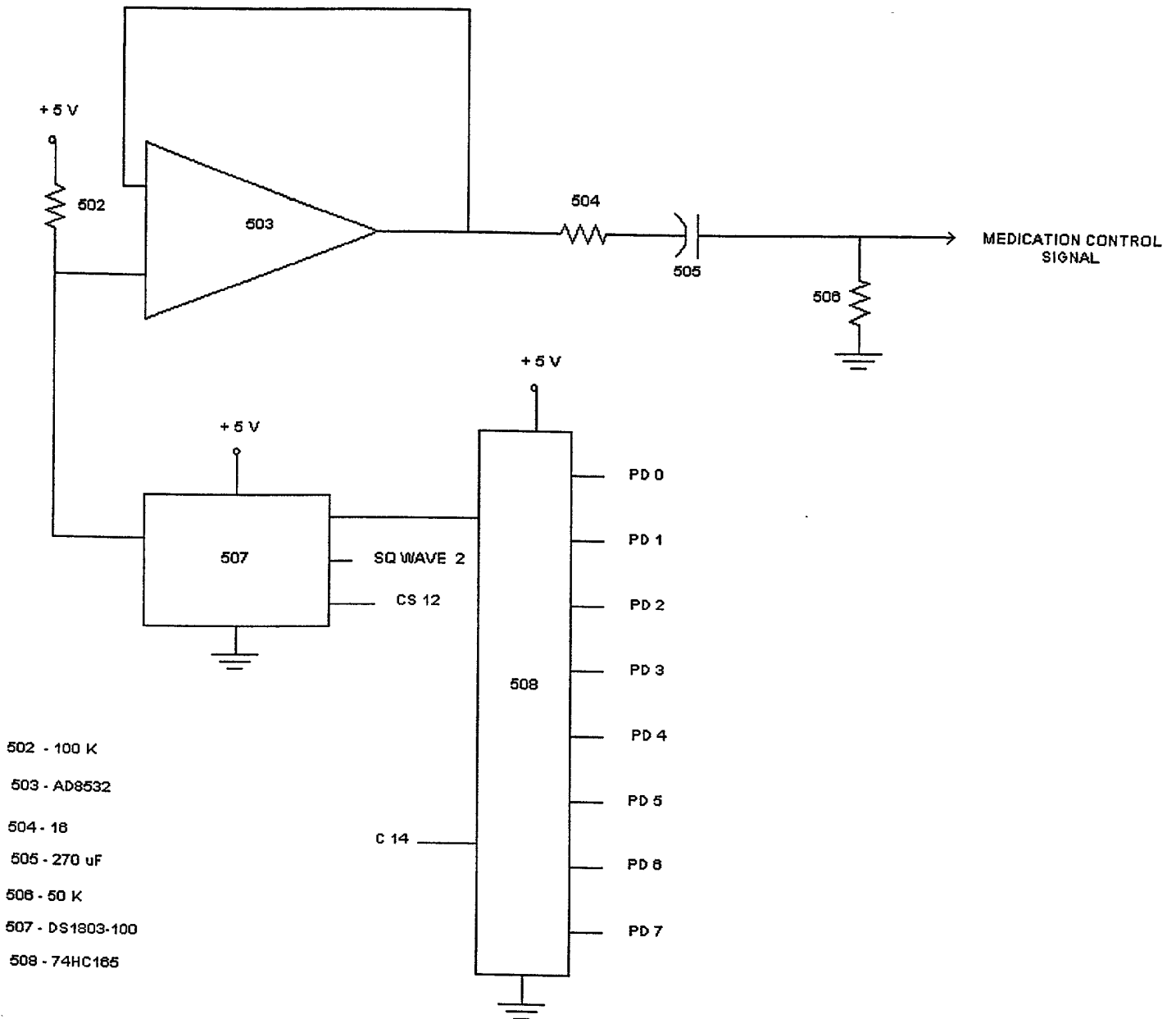


FIGURE 24

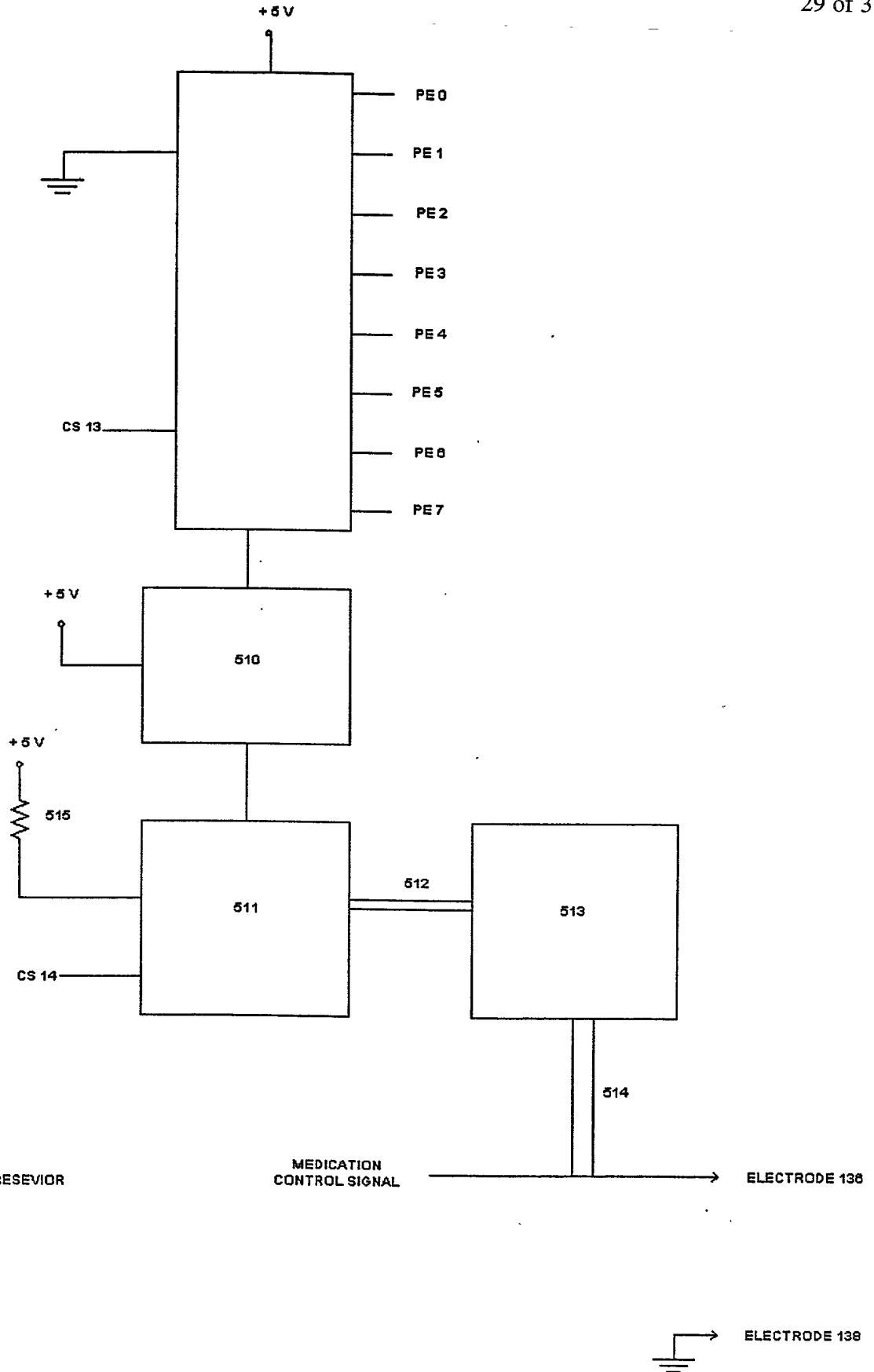


FIGURE 25

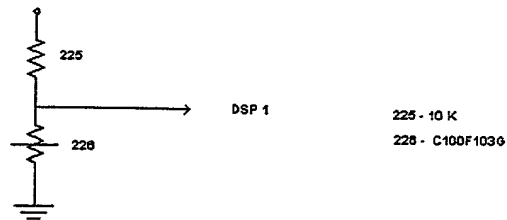


FIGURE 28 A

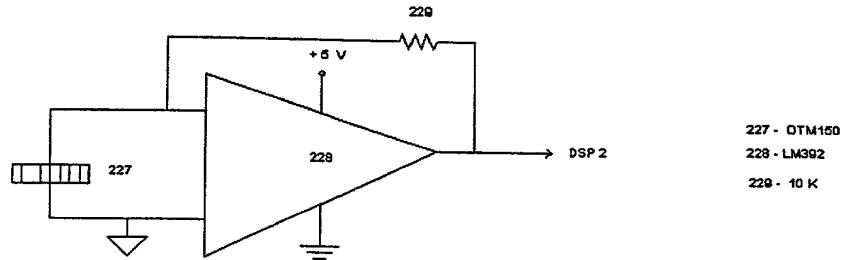


FIGURE 28 B

230 - OM4630
231 - 2.2 K
232 - 10uF
233 - 10 k
234 - LM387
235 - 10 K
236 - 10 K

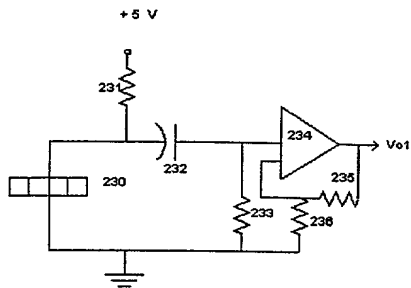


FIGURE 28 C

237 - 10 K
238 - 100 K
239 - 10 K
240 - 100 K
241 - LMF100

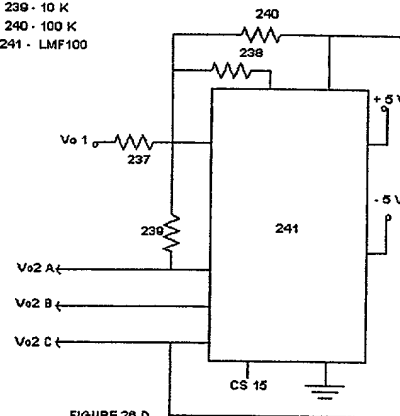


FIGURE 28 D

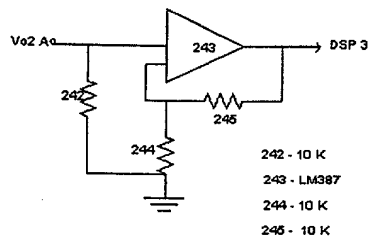


FIGURE 28 E

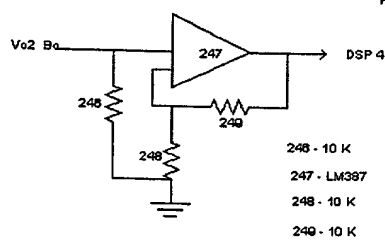


FIGURE 28 F

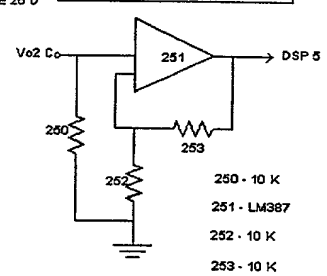


FIGURE 28 G

